SIEMENS

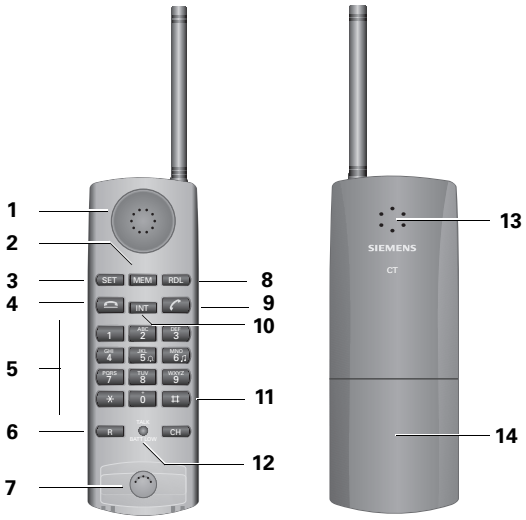
CT 100S

Mobile unit for operation at CT 100 and CT 200 base stations

Operating instructions

Please read the safety precautions outlined in these operating instructions before putting the equipment into service

Overview



1 Earpiece
2 Speed dialling key
3 Set key
4 End call key (OFF)
5 Dialling keypad
6 Recall key (Flash)
7 Microphone
8 Redial key
9 Talk key (ON)
10 INT key/mute key
11 Channel change key
12 "Call status/battery low" LED
13 Ringer loudspeaker
14 Battery compartment
(lid for removal)

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Keys and displays

Keys

SET	SET key for initiating and ending procedures for storing data
MEM	Speed dialling key for administering and dialling speed dialling numbers
RDL	Redial key/ manual pause
INT	Internal key for various settings: - deactivating the microphone (mute feature) - transferring external calls - monitoring external calls via the loudspeaker on the CT200 base station
	Talk key for setting up external connections
	End call key for ending calls This key is used to terminate a procedure when making settings
1 to 0, * and #	Dialling keys for call numbers and input keys for procedures
R	Recall key (flash) for sending a signal to the public telephone network or PBXs
CH	Key for searching for another/a stronger HF channel

LED displays

LED displays displayed:

○ **LED on:**
Dial-up line seized.

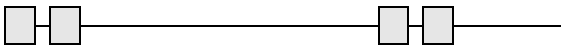
LED flickers:
- in the case of external or internal call
- in the case of channel search, channel change
- in the case of base station signal interference

LED flashes quickly:
- in the case of mute
- in programming mode

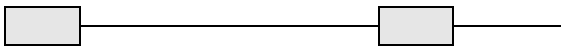
LED flashes rapidly at intervals:
Battery must be recharged

Acoustic signals

Internal call



External call



Recall, ring when transferring call

Positive confirmation beep

Negative confirmation beep

Range warning

Safety precautions

Only use approved nickel-cadmium (NICd) batteries.

The following battery type must be used for for the mobile unit:
e.g. GP 30AAK 3BMX 3,6V 300mA

This type of battery is available from the usual outlets.

Never use other batteries! These can cause a short-circuit and destroy the battery unit (dangerous).

- Avoid contact with water and fire.
- Do not dispose of old, defective batteries with normal household refuse.
- Battery packs become warm during charging. This is normal and not dangerous.
- Do not use any third-party charging units. This could damage the batteries.

Notes on operating the mobile unit

- Do not install the mobile unit in environments where there is risk of explosion.
- Do not expose the mobile unit to direct sunlight or other heat sources.
- Do not place the mobile unit on metal objects (metal tables, cars) (this may affect the range).
- Do not carry the mobile unit by the flagpole antenna.
- Always include the operating instructions when lending the mobile unit to a third party.

Conformity

This telephone complies with the requirements of the EU guidelines

CE

89/336/EEC
"Electromagnetic Compatibility"

73/23/EEC
"Electric Operating Resources for Use within Specific Voltage Parameters"

and thus bears the CE mark.

Step-by-step guide to putting into service

Step 1: Check the contents of the package

The default package contains:

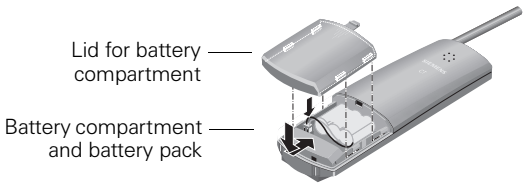
- a CT mobile unit,
- a screw-on antenna,
- a battery pack (already inserted in the mobile unit),
- operating instructions.

Step 2: Antenna

Screw the antenna supplied firmly onto the mobile unit.

Step 3: Insert the battery pack in the mobile unit

Power is supplied to the mobile unit via a rechargeable battery pack.



Remove the lid from the battery compartment by pressing down on the grooved triangle. The rechargeable battery is already inserted in the unit when delivered.

Insert the battery pack connection plug in the socket provided in the battery compartment.

The red cable is on the inside and the black cable is on the outside. You will hear a positive confirmation beep when the battery pack is correctly inserted.

Replace the battery compartment lid.

Step 4: Register the mobile unit at the base station

The mobile unit is automatically charged by placing it in the base station charging unit. The registration procedure is indicated by a flickering LED at the base station. A positive confirmation beep indicates the successful registration of the mobile unit.

You can register up to 4 mobile units. A new mobile unit cannot be successfully registered if all mobile unit places are seized. If this is the case, delete the registration procedure for all mobile units at the base station and register them again (regeneration).

Step 5: Charge the battery pack

To charge the battery pack, insert the mobile unit in the base station rest or charging unit . Insert the mobile unit with the keypad facing down.

You will hear a confirmation beep if the mobile unit has been correctly inserted. The LED at the base station lights up briefly several times.

The battery pack must now recharge before you can telephone or make settings. We recommend that the battery pack be charged for approximately 16 hours without interruption, e.g. overnight.

Individual settings at the mobile unit

You can program your mobile unit to suit your own individual requirements. All settings are made directly on the mobile unit.

Setting the ringer volume

You can set the volume of the ringer used to signal calls at your mobile unit. The ringer has 2 volume settings or can be deactivated:

Level 0 = ringer off
Level 1 = low
Level 2 = high

The default setting is level 2.

SET JKL 5	Initiate the procedure. You will hear the ringer volume set.
	Enter the digit for the required ringer volume (0 to 2). You will hear the ringer volume set.
SET	Save the setting.

Setting the ringer tone

You can set the tone of the ringer used to signal calls at your mobile unit. The ringer tone has 6 melody settings. The default setting is melody 6.

If several mobile units are being operated in one room, it is easier to distinguish their ringers if they are set to different tones.

SET 6	Initiate the procedure. You will hear the ringer tone set.
	Press the digit for the required ringer tone (1 to 6). You will hear the ringer tone set.
SET	Save the setting.

Activating/deactivating the key confirmation beep

If the key confirmation beep is switched on, each keystroke is confirmed acoustically. You can switch the key confirmation beep on (status 1, factory default) or off (status 0).

SET 3	Initiate the procedure.
1 SET	Activate the key confirmation beep.
or	
0 SET	Deactivate the key confirmation beep.

Setting the volume of the key confirmation beep

You can set the volume of the key confirmation beep to loud or soft (status 1, loud = factory default/status 0, soft).

1 RDL 3 SET 1	Initiate the procedure.
1 SET	Key confirmation beep loud.
or	
0 SET	Key confirmation beep soft.

Activating/deactivating automatic call acceptance

If the automatic call acceptance function is active, calls are accepted when the mobile unit is removed from the base station. If this feature is deactivated, you must press the Talk key (line key) to accept a call.

Initiate the procedure.

Activate automatic call acceptance.

or

Deactivate automatic call acceptance.

Activating/deactivating the battery warning beep

If the battery warning beep is activated, a beep sounds when the battery charge is too low. The battery warning beep can be activated (status 1, factory default) or off (status 0).

Initiate the procedure.

Activate the battery warning beep.

or

Deactivate the battery warning beep.

Activating/deactivating the range warning

If the range warning beep is switched on, a beep sounds when the mobile unit is too far from the base station. The range warning can be switched on (status 1) or off (status 0, factory default).

1 RDL DEF 3 DEF 3 SET	Initiate the procedure.
1 SET	Activate the range warning.
or	
0 SET	Deactivate the range warning.

Speed dialling numbers

You can store speed dialling numbers for frequently used call numbers. External connections can be dialled with speed dialling numbers.

You can store up to 10 speed dialling numbers.

The external call number stored can have up to 22 digits and can contain digits, star keys, hash keys, recall keys and redial keys (manual dial pause).

You can also administer speed dialling numbers in the course of a call (notebook function).

Saving speed dialling numbers

You can store call numbers as speed dialling number.

SET MEM	Initiate the procedure.
	Select the speed dialling number: enter a digit between 0 and 9.
SET	**Enter and save** the external call number.
or	
RDL SET	**Enter and save** the call number from the redial memory.

The call number entered is assigned to the selected speed dialling number. If the speed dialling number was already assigned to an external call number, the old call number is overwritten with the new number.

The redial key can be used during the dialling operation to insert a dial pause.

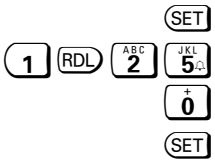
Deleting individual speed dialling numbers

SET MEM	Initiate the procedure.
	Select the speed dialling number: enter a digit between 0 and 9.
SET	Delete the speed dialling number.

Deleting all speed dialling numbers

SET 1 RDL 2 5 1	Initiate the procedure.
SET	Delete all speed dialling numbers.

Resetting the mobile unit to the default status



This procedure resets the following settings to the default status

- the ringer volume (→ page 7)
- the ringer tone (→ page 7)
- the key confirmation beep (→ page 8)
- the volume of the key confirmation beep (→ page 8)
- the range warning (→ page 10)

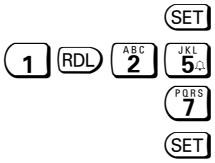
The following stored data is deleted:

- the redial memory
- the speed dialling memory

The mobile unit remains registered.

De-registering a mobile unit at the base station

This procedure can be used to de-register a mobile unit at the base station. The individual mobile unit settings, e.g. speed dialling numbers, DTMF signalling, are maintained.



Initiate the procedure.

De-register the mobile unit.

Important information

Technical data

Transmit power:	10 mW
Serviceability - mobile until (with fully charged battery):	in standby mode: up to 120 hours, when in use: up to 6 hours
Charging time in the base station:	approx. 10 – 15 hours
Dimensions mobile unit:	without antenna, approx. 180 x 55 x 30 mm (L x B x H)
Weight:	mobile unit with battery pack < 200 g

Maintenance

Wipe the mobile unit and base station with a damp or anti-static cloth.

Do not use a dry cloth as this may cause static charging!

Procedure in the case of malfunctions

Not every malfunction means that there is an actual defect in your equipment. In some situations, you may save time and money if you can eliminate the cause of simple faults yourself. The information below will help you to do this.

Symptom	Cause	Remedy
"BATT LOW" display flashes at intervals.	Battery is (almost) flat.	Insert the mobile unit in the base station or charging unit to charge the battery pack.
No radio connection to the base station – LED on mobile unit flickers.	Mobile unit is not registered.	Register the mobile unit at the base station (→ page 6).
	Mobile unit is outside the base station range.	Move the mobile unit closer to the base station.
	Base station plug-in power unit is not correctly plugged in.	Check the plug at the mains socket for the base station. If necessary, remove it and plug it in again
Mobile unit does not ring.	Ringer volume set too low.	Set the ringer volume at the mobile unit (→ page 7).
No mobile unit function.	Battery is (almost) flat.	Insert the mobile unit in the base station or charging unit to charge the battery.
	Battery pack is not correctly inserted.	Check the battery connection at the mobile unit (→ page 5).

Accessories

CT 100L charging unit

Additional charging units are recommended when operating with several mobile units in order to guarantee mobile unit serviceability at all times.

CT 100S quick reference guide

Accepting a call:	Call rings: remove the mobile unit from the charging unit or press the Talk key .
External call:	Press the Talk key and the dial the call number .
Collective call:	Press the paging key at the base station. All mobile units connected are called.
Transferring a call via collective call:	Press INT and then end the call. Press on the mobile unit called. The call is transferred.
Consultation call (only when connected to a PBX):	Press R the call is put on hold. Dial the call number and conduct the consultation call. Press R to switch back to the call on hold.
Redial:	Press followed by RDL. The last call number is dialled.
Storing a speed dialling number:	Press SET MEM and then select the speed dialling number with 0 ... 9. Enter the call number and save it with SET.
Dialling with speed dialling numbers:	Press MEM and then select the speed dialling number with 0 ... 9.
Setting the ringer volume:	Press SET 5, then select the ringer volume 1 ... 2 and save it with SET.
Setting the ringer tone:	Press SET 6, then select the ringer tone 1 ... 6 and save it with SET.

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